

WHAT IS CLAIMED IS:

1. A process for producing a water-dispersible, non-particulate detergent product from low density detergent particles, characterized by the steps of:
 - (a) providing low density detergent particles having an intra-particle porosity in a range of from 5% to 90% by volume,
 - (b) adding a liquid to said low density detergent particles in an amount sufficient to reduce said intra-particle porosity by at least 10%; and
 - (c) compacting said low density detergent particles having said reduced intra-particle porosity, by applying a pressure in an amount sufficient to form said water-dispersible, non-particulate detergent product having a density of at least 1000 g/l.
2. The process of claim 1 wherein said low density detergent particles of step (a) have an intra-particle porosity in a range of from 10% to 80% by volume.
3. The process of any of claims 1-2 wherein said low density detergent particles of step (a) have a bulk density no less than 400 g/l.
4. The process of any of claims 1-3 wherein said low density detergent particles of step (a) have a bulk density in a range of from 400g/l to 850g/l.
5. The process of any of claims 1-4 wherein said liquid is a nonionic surfactant and is added to said low density detergent particles in an amount sufficient to reduce said intra-particle porosity by at least 20%.
6. The process of any of claims 1-5 wherein said liquid is added in an amount in a range of from 0.1% to 10% by weight of said low density detergent particles.
7. The process of any of claims 1-6 wherein said liquid is selected from the group consisting of nonionic surfactants, anionic surfactants, water, polyethylene glycol, and mixtures thereof.

8. The process of any of claims 1-7 wherein said liquid is a nonionic surfactant.
9. The process of any of claims 1-8 wherein said liquid is polyethylene glycol having a molecular weight less than 1000.
10. The process of any of claims 1-9 wherein said water-dispersible, non-particulate detergent product has at least 5% greater dispersability in water as compared to a non-particulate detergent product having a density of at least 1000 g/l but not having said liquid added to said low density particulate detergent composition per step (b).
11. A rapidly water-dispersible non-particulate detergent product formed by a process characterized by the steps of:
 - (a) providing low density detergent particles having an intra-particle porosity in a range of from 5% to 90% by volume;
 - (b) adding a liquid to said low density detergent particles in an amount sufficient to reduce said intra-particle porosity by at least 10%; and
 - (c) compacting said low density detergent particles having said reduced intra-particle porosity, by applying a pressure in an amount sufficient to form said water-dispersible, non-particulate detergent product having a density of at least 1000 g/l.
12. A method of laundering soiled clothes characterized by the step of immersing said soiled clothes in an aqueous medium containing an effective amount of a non-particulate detergent product made by a process according to any of claims 1-11.
13. A process for producing a water-dispersible, non-particulate detergent product from a low density detergent composition, characterized by the steps of:
 - (a) providing spray dried detergent granules having a bulk density less than 650 g/l;

- (b) providing agglomerated detergent particles having a bulk density in a range of from 700 g/l to 900 g/l;
- (c) mixing said spray dried detergent granules and said agglomerated detergent particles to form a low density detergent composition, wherein said spray dried detergent granules are present in a range of from 40% to 80% by weight of said low density detergent composition and said agglomerated detergent particles are present in a range of from 20% to 60% by weight of said low density detergent composition;
- (d) adding a liquid to said low density detergent composition in an amount sufficient to reduce said intra-particle porosity by at least 10%; and
- (e) compacting said low density detergent composition having said reduced intra-particle porosity, by applying a pressure in an amount sufficient to form said water-dispersible, non-particulate detergent product having a density of at least 1000 g/l.

14. A method of laundering fabric materials in a washing machine, characterized by the steps of:

- providing a flexible porous bag adapted for receiving a non-particulate detergent product;
- providing a non-particulate detergent product made by a process according to any of claims 1-13;
- placing said non-particulate detergent product within said flexible porous bag;
- placing said flexible porous bag containing said detergent product in said washing machine with said fabric materials to be washed; and
- said flexible porous bag being adapted for permitting entry of an aqueous washing medium through said bag, thereby dissolving said non-particulate detergent product placed therein, into said aqueous washing medium, and releasing a resultant wash solution from inside of said bag to outside of said bag into said aqueous wash medium during a wash cycle.